ELT DUE ~~FEB 2007~~ ~~DEC 2004~~ 11/2004 to Pres

THE adlog™ AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

AIRFRAME MAINTENANCE RECORDS

Airborne
Air Filter Change Reminder
Changed at: 2628.5 Hrs. Next Change: _____ Hrs.
04 NOV 04 Date
RT SIDE
Parker
SI300-21 July 2002

Airborne
Air Filter Change Reminder
Changed at: 2628.5 Hrs. Next Change: _____ Hrs.
11/4/04 Date
RT SIDE
Parker
SI300-21 July 2002

DATE	10/8/2004	MODEL	Navajo
WO#	9781	S/N	31-7812081
TACH		REG	N7069D
T/T		HOBBS	2617.50
TSMOH			

WIGGINS
AIRWAYS
1 Garside Way
Manchester , NH 03108-4920
603-629-9191 Fax 603-668-1180
CRS# HI1R193K

Form WA-16 Rev. Original

Log Book Attachment:

Transponder not seated properly in rack causing mode c to be intermittent. Reseated unit by holding down top of transponder when reinserting back into rack. Ops check good. This aircraft is airworthy with regards to work performed.

Keith Brunelle
HI1R193K

THE adlog T.M. AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

AIRFRAME MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N 7069D

Aircraft Mfg. PIPER Model NAVAJO Serial No. PA31-7812081

Engine Mfg. _____ Model _____ Serial No. _____

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

_____

_____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

_____

_____

(All applicable information must be filled in)

AEROTECH PUBLICATIONS INC.
www.adlog.com
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(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

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Page No. _____

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
11/9/04	2628.5		C/W 100 HR INSPECTION 1/Pipa Piper Maint. Manual check list. Main battery serviced & inspected. Airframe fuel filters cleaned inspected & leak checked. Gear swing done - all normal. All brake lines replaced with new. Repaired crack in right alternate air box. All fluids serviced & checked for leaks. System ops check done. C/W AD82-27-13R2. Tested ELT IAW 91.207(d) Replaced instrument air filters both sides Changed hydraulic filter both sides. Replaced all fuel cap O'rings. I certify this aircraft was inspected in accordance with a 100 hr inspection pe FAR 43 appendix D & found to be airworthy @ this time and approved for return to service. Scott Crandall AP 27363632

HOBBS Time: 2673.0 **Aircraft Total Time: 8478.0** (HOBBS + 5805) **Date 03/04/~~2004~~ 2005**

The following work was completed in accordance with the Piper service manual and FAR 43.

1. C/W **AD 82-27-13R2** (Flap Inspection) by visually inspecting flaps in accordance with the AD.
2. C/W **AD 2003-24-07** in accordance with the visual inspection instructions of the AD.
3. Replaced ELT Battery and tested ELT in accordance with 91.207. **New Battery Due 2007**

Performed all service, lubrication and inspection items as listed on the Piper Navajo 100 hour/annual checklist. I certify that this aircraft was inspected in accordance with an annual inspection per FAR 43 appendix D and is found to be in airworthy condition at this time.

Michael J. Farrey / AP1551337IA Michael J Farrey

I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.414, 91.413, & 91.217 have been performed and found within the limits of FAR 43, appendices E & F and AC 43-6A.

TESTED TO 30,000 **FEET ON** 5/21/2012

Transponder: Mfg King p/n _____

Model KT76A s/n 99785

Encoder: Model _____ p/n 5035P-P19 s/n 4713

Altimeter: (1) Mfg _____ p/n 5035P-P19 s/n 4713

(2) Mfg same p/n 5934PA-3 s/n 1K590

W/O A14280 **Tach/Hobbs** 2777.7

Date 22 May 2012 **Sign** _____

Infinity Aviation Services LLC Nashua, NH 03063 FAA Repair Station #16FR992Y

TOTAL brought forward from previous page

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 10/03/2008; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2777.70; Tach:; Total Time: 8531.5
* Resealed the nose landing gear strut.
* Finished installing the glare-shield. Installed the left p/n LP-398CL and right p/n LP-399CL windshields (see 8130-3s from L.P. Aero Plastics Inc.) in accordance with the Piper Repair Manual. Capped off and secured the wiring from the old heated windshield.

Signature: Joseph Gardner Joseph J Gardner
Date: 10/3/2008, W/O: 12330
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 9/01/2012; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2777.70; Tach:; Total Time: 8582.70
* Performed a 100-hour/Annual Inspection on the airframe in accordance with the inspection checklist contained in the PA31-310 Maintenance Manual.
* Opened and closed the aircraft to perform inspection.
* Complied with Airworthiness Directive research to 2012/17 Biweekly issuance.
* Completed aircraft lubrication per manufacturers recommendations.
* Completed airframe fuel strainer or fuel bowl filter cleaning.
* Complied with FAR 91.207 (d) Inspection and operational check of ELT. Removed and replaced the ELT battery(ies), p/n BS2166. The battery expiration date is on 7/2014.
* Installed a new Gill G246 battery s/n G0253944 and serviced with 4 qts of acid. Inspected and cleaned the battery area. Touched up battery area as required. Operationally tested the battery with satisfactory results.
* Removed and replaced pneumatic inline regulator filters p/n 2J4-6, 1J4-6 and vacuum regulator filters p/n ARB3-5-1.
* Cleaned the landing gear. Lubricated the landing gear in accordance with the lubrication guide contained in the PA31 Service Manual. Cleaned each Zerk fitting of residual grease.
* Removed induction air filter. Inspected and cleaned the induction air filter housing. Replaced the induction air filter and secured.
* Checked and adjusted all up-lock hooks per chapter 7-11 A-G and 7-24 I-N of the PA31-310 Service Manual.
* Cleaned, etched and alodined the hinge fittings for both outboard gear doors. Installed and fit the outboard gear doors. Primed and painted.
* Installed new left aileron hinge bolts and bonding strap.
* Installed two new hydraulic filters p/n AN6235-1A and o-rings p/n MS28775-217. Safetied, pressurized and leak checked with no leaks noted.
* Complied with AD04-21-05, Janitrol Heater Inspection at 2814.5hrs heater hobbs of the pressure decay test per paragraph (e)2. Due again at 2914.5hrs heater hobbs or 2 years, whichever occurs first.
* Complied with AD09-13-06R1, Nose Baggage Door Latching Mechanism & Lock Assembly per paragraph (f)(i)(ii)(iii.) Complied with Piper SB1194B Part 1 1-16 and Part II all parts on Table 2 for the PA31. Verified compliance of SB604A steel bracket and installed operational procedure placard. Lubrication due every 100 hours per SB1194B. New lock kit installed.
* Complied with AD03-24-07, Rudder Tube Corrosion Inspection. SB1105A has been previously complied with. Complied with corrosion inspection per para (e)(2) with no defects found. Due again in 12 months.
* Complied with AD87-27-13R2, Flap Inspection Drive per para (A2) due every 500 hours and para (A3) due every 100 hours. Next due per para 2 at Hobbs 3277.7, para 3 at Hobbs 2877.7.
* Complied with AD99-12-05, Elevator Spar Inspection per para (A)(2) & (C) per SB998A with no cracks noted. Due again at Hobbs 2970.0 or ACTT 8775.0.
* Complied with AD04-25-16R1, Fuel Regulator Shut-off Valve and verified PCW AD2001-17-13 see logs 8/2003. Due again in 100 hours (2877.7) or at next annual.
* Repaired and painted both left and right cowlings. Installed new cowl flange tape.
* Complied with lubrication of the up and down lock rods per lubrication chart fig. 2-13, 2-13a.

I certify that this aircraft has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Joseph Gardner Joseph J Gardner
Date: 9/1/2012, W/O: I14267
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 2/13/2013, Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2792.60; Tach:; Total Time: 8582.70
* Removed the inspection panels from the right wing. Removed the right wing inboard fuel cell p/n 52778-RH s/n 78-59324. Received a Goodyear repaired fuel bladder p/n 71028-3 s/n 79-46937 dated Aug 1979 (see release tag DOT: AMO#110-90 January 28,2013) and installed per the PA31 Service Manual Section 9.7. Fueled the right wing tank and inspected for leaks with none noted. Reinstalled the inspection panels.

Signature: Alan Desrosiers
Date: 2/13/2013, W/O: 14780
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 7/10/2013; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2819.00; Tach:; Total Time:
* Troubleshot the HSI system. Found that the HSI and flux gate were faulty. Removed the HSI p/n 066-3046-01 s/n 14472. Installed a serviceable KI525A HSI p/n 066-3046-01 s/n 21688 and KMT 112 p/n 071-1052-00 s/n 24474. Performed an alignment and set up per the PA31-310 Maintenance Manual and King KCS55 Installation Manual.

Signature: Jeffrey Wall
Date: 7/10/2013, W/O: A14948
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 8/05/2013; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2819.00; Tach:; Total Time:
* Prepped the right engine upper cowl. Primed and painted the cowl with Imron 5000 Thermo King White (805859HN).
* Stripped the right engine mount of paint near the turbocharger and exhaust pipe. Cleaned and prepped the area. Painted the area with epoxy paint.
* Removed the aileron trim servo p/n 065-0060-00 s/n 38860 and sent out for repair. Received the repaired servo (see yellow tag) and reinstalled. Performed an operational check with satisfactory results. Work was performed in reference to the King KFC 200 Installation Manual and Piper PA31-310 Maintenance Manual.
* Replaced the left main landing gear strut o-rings in accordance with the PA31-310 Maintenance Manual.
* Removed the left wing fuel bladder p/n 52778-00 s/n 7859147. Installed a new bladder p/n 461-713 s/n CR734 in accordance with the Piper PA31-310 Maintenance Manual. Filled the left wing with fuel and inspected for leaks with none noted.
* Removed and replaced the landing light p/n GE4596. Operationally tested the light with satisfactory results.

Signature: Alan Desrosiers
Date: 8/5/2013, W/O: 14963
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

	SUB-TOTAL this page
	TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORD METE TIME	DESCRIPTION OF WORK PERFORMED— SON PERFORMING WORK
		TOTAL	

12/15/2013 ANNUAL

HOBBS 80.9

TT 8,612.4

* NEED LOG STICKER

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 2/04/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2881.10; Tach:; Total Time:
* Troubleshot the trim servo system. Determined the servo to be at fault. Removed the KS272-10 s/n 1558 servo and sent out for repair. Received the repaired servo (see yellow tag) and reinstalled. Performed an operational check with satisfactory results. Work was performed in reference to the Piper PA31-310 Maintenance Manual and King KFC200 Installation Manual.

Signature: Jeffrey Wall
Date: 2/4/2014, W/O: A15219
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 4/25/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs:; Tach:; Total Time: 8670.20
* Greased the landing gear in accordance with the PA31-310 Service Manual.

Signature: Alan Desrosiers
Date: 4/25/2014, W/O: 15294
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

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TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 4/25/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs:; Tach:; Total Time: 8670.20
* Removed the fuel nozzles on the right engine and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted. Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued.

Signature: Alan Desrosiers
Date: 4/25/2014, W/O: 15294
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 7/24/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 2904.50; Tach:; Total Time:
* Removed the left engine oil cooler p/n 8535311 s/n 78C-2128. Installed a new Aero Classics oil cooler p/n 8000356 s/n 1070755. Performed an engine ground run with no leaks noted.

Signature: Alan Desrosiers
Date: 7/23/2014, W/O: 15395
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 12/02/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 113.30; Total Time: 8696.00
* Troubleshot a leak in the pitot/static system. Found a pitot leak at a bulkhead fitting just forward of the copilot airspeed indicator. Found a static leak at the static fitting on the pilot altimeter. Tightened the fittings as necessary.
* Removed the KT76A transponder p/n 066-1062-02 s/n 21033. Performed a minor alteration and installed a Bendix/King KT76C transponder p/n 066-01156-0101 s/n 10488. Operational check was satisfactory. Work was performed in accordance with the Bendix/King KT76C Installation Manual IM006-10545-0003 2.3.7. Change in Weight & Balance is negligible. Reference test performed per FAR 43 Appendix F.
* Tested the transponder. Removed the transponder p/n 066-01156-010 s/n 10488 and sent out evaluation/testing. Received the tested/serviceable transponder (see yellow tag) and reinstalled. The transponder is still failing ERP parameters. Troubleshot the system further and found poor contact on the coax connector just below the radio rack. Secured the connector and tested the transponder with the IFR6000 test set with no discrepancies noted. Work was performed in reference to FAR 43 Appendix F and the King KT76C Installation Manual.

Signature: Jeffrey Wall
Date: 12/2/2014, W/O: A15515
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.411, 91.413, & 91.217 have been performed and found within the limits of FAR 43, appendices E & F and AC 43-6A.

TESTED TO 25,000 **FEET ON** 2 Dec 2014
Transponder: Mfg King p/n
Model KT 76C s/n 10488
Encoder: Model United p/n 5035P s/n 12060
Altimeter: (1) Mfg United p/n 5035P s/n 12060
(2) Mfg United p/n 5934AA-3 s/n 1K590
W/O A15515 **Tach/Hobbs** 113.3
Date 2 Dec 2014 **Sign**
Infinity Aviation Services LLC Nashua, NH 03063 FAA Repair Station #I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 12/02/2014; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 113.30; Total Time: 8598.00

* Performed a 100-hour/Annual Inspection on the airframe in accordance with the inspection checklist contained in the PA31-310 Mainten
* Opened and closed the aircraft to perform inspection.
* Complied with Airworthiness Directive research to 2014/20 Biweekly issuance.
* Completed aircraft lubrication per manufacturers recommendations.
* Completed the wheel bearing cleaning, inspection, and re-greasing.
* Completed airframe fuel strainer or fuel bowl filter cleaning.
* Complied with FAR 91.207 (d) Inspection and operational check of ELT. Removed the ELT10 s/n 37300. Installed a serviceable ELT10 s/n 50683. Removed and replaced the ELT battery(ies), p/n BS2166. Operational check was good. The battery expiration date is on 11/2016.
* Inspected the aircraft battery, serviced electrolyte using distilled water and charged the battery. Inspected and cleaned the battery area. Touched up battery area as required. Reinstalled battery and electrical connections. Operationally tested the battery with satisfac
* Removed and replaced pressure regulator filter, gyro pressure filters and in-line filters p/n AA2J4-6.
* Cleaned the landing gear. Lubricated the landing gear in accordance with the lubrication guide contained in the PA34 Service Manual. Cleaned each Zerk fitting of residual grease.
* Removed induction air filter. Inspected and cleaned the induction air filter housing. Cleaned and reinstalled the induction air filter and secu
* Removed, inspected and cleaned the left brake caliper. Installed new o-rings p/n MS28775-132 and bled the brakes.
* Troubleshot the surface de-ice light and found the air pressure switch was at fault. Installed a new switch p/n 3D3535-10, extended the wires and installed new terminals. Operationally tested the light with satisfactory results.
* Cleaned corrosion from the left center lower flap and wing skin aft of the gear. Etched, alodined and primed the surface with zinc phosphate primer. Top coated the area with Imron polyurethane enamel.
* Removed fuel lube residue from under the inboard right wing.
* Removed right engine right magneto switch for bulb replacement. Repaired a wire and replaced the bulb p/n 327. Operationally tested with no discrepancies noted. Reinstalled the switch and operationally tested with satisfactory results.
* Removed left boost pump switch for bulb replacement. Repaired a wire and replaced the bulb p/n 327. Operationally tested with no discrepancies noted. Reinstalled the switch and operationally tested with satisfactory results.
* Repainted the avionics circuit breaker faceplate and placarded as required for all circuit breakers.
* Installed a new landing light switch p/n 2GM54-73. Repaired wire circuits as needed. Operational check was satisfactory.
* Removed and replaced the left and right wing panel grommets.
* Drilled out working rivets on the panel doubler on the right wing forward inboard fairing. Installed new solid rivets.
* Stop-drilled cracks in the left and right nav lenses and sealed with clear RTV.
* Installed a new grommet p/n MS35489-4 for the tail nav light at the bulkhead.
* Drilled out the nutplate in the panel for the lower rudder. Fitted and riveted in a new nutplate p/n MS21059L06K.
* Cleaned corrosion from the bottom of the right elevator area forward of the trim tab. Etched, alodined and primed the surface with zinc phosphate primer. Top coated the area with Imron polyurethane enamel.
* Installed a new left elevator tip water drain cap p/n L271 and riveted in place. Primed and painted the cap.
* Fabricated a new ground strap for the right elevator second inboard hinge and installed with new hardware.
* Removed and replaced the seat belt hardware for the left center aft facing seat.
* Removed and replaced the right aft racing seat release and seat back lock with serviceable parts.
* Fabricated and installed a new cabin aft exhaust vent placard on the panel.
* Fabricated and installed new left and right firewall shutoff placards.
* Cleaned and re-secured the aft cabin cargo placard.
* Fabricated and installed new aft cabin seat stops.
* Secured all three engine control forward stop washers.
* Installed a new Hobbs meter p/n 15000 with new pressure switch p/n 11-08665. Set Hobbs time to 113.3hrs.
* Installed a serviceable copilot seat bottom.
* Fabricated a latch for the oxygen pouch under the pilot's seat, riveted to the door and painted. Reinstalled the pilot's seat. Operationally checked the handle with satisfactory results.
* Removed the oxygen bottle assembly p/n 800114-04 s/n E647772 and sent out for hydrostatic testing. Received the inspected bottle (see 8130) and reinstalled. Serviced and leak checked with no leaks noted. Next inspection due 10/2017, cylinder life limit expires
* Removed the nose wheel and disassembled. Installed a new nose wheel tire p/n 606C86-6 6.00x6 8ply Flight Custom III.
* Installed a new cabin door lock.
* Installed a new fuel cap lanyard p/n 472-059 for the left outboard fuel cap.
* Complied with AD 2004-21-05, Janitrol Heater Inspection and pressure decay test per para (e)(2) at heater hobbs 2836.8. Next inspection due at heater hobbs 2936.8 or 12/2016.
* Complied with AD 2009-13-06, Forward Baggage Door Inspection in accordance with part III lubrication and inspection.
* Complied with AD 1982-27-13R2, Flap Cable Inspection per paragraph (A3) and SB494B. Next inspection due at Hobbs 213.3/A
* Complied with AD 2003-24-07, Rudder Torque Tube Inspection per paragraph (e)(2). Next inspection due 12/2015.
* Complied with AD 1999-12-05, Elevator Spar Inspection per paragraph (A2) and C. Next inspection due at Hobbs 213.3/ACTT 8796.0.
* Complied with AD 2013-10-04, Exhaust System Integrity in accordance with the accomplishment instructions with no discrepancies noted. Re-safetied the clamps as needed.
* Fabricated a forward baggage avionics closeout panel.
* Replaced the in-line manifold pressure gauge filters p/n 754-817.
* Complied with Service Letter 755C, Landing Gear Lock Actuator Rods and Rod End Inspection/Lubrication in accordance with Part 1. Cleaned, inspected and lubricated the rod ends and telescopic rod ends.
* Removed and replaced the left and right wing fuel cap o-rings p/n MS29513-338, MS29513-010. Set fuel cap tensions and cotter-pinned. Operational check was satisfactory.

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
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* Complied with AD 2004-25-16R1, Fuel Regulator Valve Inspection in accordance with the accomplishment instructions. Next inspection due at Hobbs 213.3/ACTT 8796.0 or 12/2015.
* Investigated and cleaned the terminals at the flap up and down solenoid. Operational check was satisfactory.
* Found no voltage at the passenger table electrical cigarette outlet. The AD was previously complied with to disable the system at the circuit breaker wire CIG-1, capped. No further action taken at this time.
* Capped several wires behind the copilot panel.
* Removed all old foam backing from the rugs. Installed new FAR25.853 approved materials and reinstalled to existing standard installtion procedures. Cleaned old residue from the floor. Reinstalled the rugs.
* Removed the left and right hydraulic filters. Replaced the filters p/n AN6235-1A and installed with new o-rings p/n MS28778-16. Performed a pressure and leak check with satisfactory results.

I certify that this aircraft has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 12/2/2014, W/O: I15489
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 8/07/2015; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 175.20; Total Time: 8706.70
* Removed the KMA20 audio panel. Performed a minor alteration and installed a TSO'd PS Engineering PMA8000BT audio panel s/n CBT2930. Operational check was satisfactory. Work was performed in reference to the PS Engineering Installation and Operation Manual p/n 200-890-1702 Rev 2 dated May 2015. Supplied the owner the Pilot's Guide p/n 202-890-0702 Rev G dated June 2011. Weight & Balance change is negligible.

Signature: Jeffrey Wall
Date: 8/7/2015, W/O: A15787
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

	SUB-TOTAL this page
	TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page

HOBBS Time: 194.7 **Aircraft Total Time: 8,726.2** **Date: 12/17/2015**

The following work was completed in accordance with the Piper service manual and FAR 43.

1. C/W **AD 1982-27-13R2** (Flap Inspection) by visually inspecting flaps in accordance with the AD.
2. C/W **AD 2003-24-07** (Rudder Torque Tube) by visually inspecting tube in accordance with the AD.
3. C/W **AD 2004-21-05** Janitrol Heater Inspection and pressure decay test per para(e)(2).
4. C/W **AD 2009-13-06 R1** Forward Baggage Door Inspection in accordance with part II of Piper Service Bulletin 1194B, lube and inspect.
5. C/W **AD 2013-10-04** Exhaust System Integrity in accordance with the accomplishments instructions.
6. C/W **AD 1999-12-05** Elevator Spar Inspection per para (A2) and C
7. Performed all annual and 100 hour airframe service items as per the manufactures maintenance manual.
8. Tested ELT in accordance with 91.207, **ELT Battery Due NOV 2016**

I certify that this aircraft was inspected in accordance with an annual inspection per FAR 43 appendix D and is found to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA

HOBBS Time: 290.8 **Aircraft Total Time: 8,822.3** **Date: 03/10/2017**

The following work was completed in accordance with the Piper service manual and FAR 43.

1. C/W **AD 1982-27-13R2** (Flap Inspection) by visually inspecting flaps in accordance with the AD.
2. C/W **AD 2003-24-07** (Rudder Torque Tube) by visually inspecting tube in accordance with the AD.
3. C/W **AD 2004-21-05** Janitrol Heater Inspection and pressure decay test per para(e)(2).
4. C/W **AD 2009-13-06 R1** Forward Baggage Door Inspection in accordance with part II of Piper Service Bulletin 1194B, lube and inspect.
5. C/W **AD 2013-10-04** Exhaust System Integrity in accordance with the accomplishments instructions.
6. C/W **AD 1999-12-05** Elevator Spar Inspection per para (A2) and C.
7. C/W **AD 2016-05-01** Vertical Fin Forward Spar to Bulkhead by performing the initial inspection in accordance with Para (g)(1) with no defects noted. Inspection due again in 100 hours and kit needs to be installed by 9,322.3 ACTT.
8. Performed all annual and 100 hour airframe service items as per the manufactures maintenance manual.
9. Tested ELT in accordance with 91.207, **ELT Battery Due NOV 2018**

I certify that this aircraft was inspected in accordance with an annual inspection per FAR 43 appendix D and is found to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Date: 06/19/2018	Acft Reg#: N7069D	Acft SN: 31-7812081	Acft Model: PA31-310C
	HOBBS: 328.1	ACTT: 8,859.6	

The following work was completed in accordance with the Piper service manual and FAR 43.

1. C/W **AD 1982-27-13R2** (Flap Inspection) by visually inspecting flaps in accordance with the 100 Hour and 500 Hour requirements of the AD.
2. C/W **AD 2003-24-07** (Rudder Torque Tube) by visually inspecting tube in accordance with the AD.
3. C/W **AD 2004-21-05** (Janitrol Heater Inspection) and pressure decay test per para(e)(2).
4. C/W **AD 2009-13-06 R1** (Forward Baggage Door Inspection) in accordance with part II of Piper Service Bulletin 1194B, lube and inspect.
5. C/W **AD 2013-10-04** (Exhaust System Integrity) in accordance with the accomplishments instructions.
6. C/W **AD 1999-12-05** (Elevator Spar Inspection) per para (A2) and C.
7. C/W **AD 2016-05-01** (Vertical Fin Forward Spar to Bulkhead) by performing the initial inspection in accordance with Para (g)(1) with no defects noted. Inspection due again in 100 hours (8,959.6 ACTT) and kit needs to be installed by 9,322.3 ACTT.
8. Note: AD 2017-10-20 Initial Compliance Due at HOBBS 736.1
9. Performed all annual and 100 hour airframe service items as per the manufactures maintenance manual.
10. Replaced ELT battery with new PN ELT10, SN 50683 and tested ELT in accordance with 91.207. **ELT Battery Due APR 2020.**
11. Removed RH dry air pump PN AA441CC-7, SN 897701 and installed **OVERHAULED** pump PN AA441CC-7, SN 0DMZ09.
12. Removed LH Main tire (6.50x10 8 Ply Flight Special II) and replaced with new tire PN 650C81-5 (6.50x10 8 Ply Flight Special II), SN 62362206.
13. Removed RH Main tire (6.50x10 8 Ply Flight Special II) and replaced with new tire PN 650C81-5 (6.50x10 8 Ply Flight Special II), SN 62362362.
14. Removed Nose Wheel Axle PN 31797-000 and replaced with new axle PN 31797-000.
15. Removed and replaced all 16 brake linings, PN 066-06600 in both LH and RH main wheel brake assemblies.
16. Replaced LH brake shim-insulator PN 068-02800 with new part.
17. Removed Pilot's Airspeed Indicator PN 8130, SN 62801 and re-installed same unit following **OVERHAUL**.
18. Replaced main ship battery PN G-246, SN G02543944 with new battery PN G-246, SN G03005753.
19. Replaced LH and RH Nose axle hat bushings, PN 31798-000D with new.
20. Removed LH Propeller PN HC-E3YR-2ATF/FC8468B-6R, SN DJ9860A and re-installed after **OVERHAUL**.
21. Removed LH Propeller Governor PN F-6-24, SNB9008T and re-installed following **OVERHAUL**.
22. Removed RH Propeller PN HC-E3YR-2ATF/FC8468B-6R, SN DJ10389A and re-installed after **OVERHAUL**.
23. Removed RH Propeller Governor PN F-6-24, SNB6614T and re-installed following **OVERHAUL**.
24. Replaced forward and aft lower cabin door hinge pins, PN 43481-00 with new part.
25. Replaced LH wing tip strobe bulb PN A427 with new part.
26. Replaced both LH and RH alternator belts PN F3382/37A19773-382 with new belts.
27. Replaced all four fuel filler cap lanyards PN 472-059/MS27380-1 with new parts.
28. Replaced LH and RH Pneumatic Filters PN AA2J4-6 with new.

I certify that this aircraft was inspected in accordance with an annual inspection per FAR 43 appendix D and is found to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA

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EO
3060
3060
EN550

FR992Y

Altimeter/Encoder Calibration Sheet
Infinity Aviation Services LLC
FAA Certified Repair Station # 16FR992Y
Form #10

Date 6/6/18

A/C Tail #
Work Order #

	Model Number	Serial Number
Altimeter		
Transponder		
Encoder		

Initial Indications At 29.92 in hg

Altimeter 330 feet
Calibrator feet

Barometric Scale Error (reference pressure @ 29.92 in hg to zero)

In hg scale	Feet Calibration	Feet Reading	Adj to 29.92 in hg	Feet Error	± Feet Tolerance
28.10	-172"				± 25
28.50	-1340				± 25
29.00	-863				± 25
29.50	-392				± 25
29.92	0				± 25
30.50	531				± 25
30.90	893				± 25
30.99	974				± 25

DATE	TOTAL TIME IN	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Date: 09/22/2018	Acft Reg#: N7069D	Acft SN: 31-7812081	Acft Model: PA31-310C
	HOBBS: 334.6	ACTT: 8,866.1	

The following work was completed in accordance with the Piper service manual and FAR 43.

1. C/W **AD 98-08-18** (Elevator Bungee) by replacing elevator bungee PN 71056-003 and Link PN 71086-003 with new units in accordance with the 1,000 hour replacement requirement.
2. Researched logbooks and inspected aircraft for compliance with **AD 99-12-05** and determined that the elevators installed have been modified in accordance with Piper SB 998A by the installation of Spar PN 40075-20 and 40075-21. Installation of these parts terminates the repetitive inspection requirement of this AD.
3. Inspected aircraft and found Piper Kit 766-642 installed on Left and Right elevators in accordance with Piper SB 1008, satisfying the requirements of **AD 2001-06-01**. No further action required.
4. Removed LH dry air pump PN AA441CC-7, SN 991503 and installed **OVERHAULED** pump PN AA441CC-7, SN 00RU6.
5. Removed and Re-Installed Oxygen Cylinder Assembly PN 800112-13, SN E647772 following Hydrostatic test. Assembly provided with **OVERHAULED** Regulator PN 800114-04, 5754.
   NOTE: Next Hydro Test DUE: August 2021 / Cylinder Life Limit Expires: May 2022
6. Removed LH Engine Exhaust Tailpipe and installed **NEW** Tailpipe PN K40310-09
7. Removed landing gear selector cable PN 554-401 and installed **NEW** cable PN 554-401
8. Removed LH Turbo Transition Housing PN LW1216 and installed **OVERHAULED** unit with same Part Number.
9. Removed RH Alternator PN ALU8421, SN A109428 and installed **OVERHAULED** unit PN ALU8421, SN A109969
10. Removed Upper Nose trunnion PN 40273-00, SN UKN and installed **REPAIRED** unit PN 40273-00, SN PP-016
11. Repaired defective wire pin in the cannon plug connecting the RH oil temperature bulb to harness.
12. Repaired defective wire connector located on forward micro switch of main cabin door annunciator circuit.

I certify that all work performed on this aircraft was done in accordance with current manufacturer's technical data as well as FAR part 43 and is found to be in airworthy condition at this time.

Denis Gregory Lison / AP 2686552 IA

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INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 1/25/2019; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 427.20; Total Time:
Complied with Garmin SB1876 rev.A by updating the main software to 6.51. All work was performed in accordance with instructions outlined in the service bulletin.

Signature: Alan Desrosiers
Date: 1/25/2019, W/O: A16988
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

N7069D Maint. Hobbs: 415.2 TT: 8982.7
Repaired Nav Com KX155 Unit SN 37007 W/O 200928663. Replaced KL525A with overhauled unit PN 066-3046-01 SN 42306. Installed new Prop control cable PN 454-254. Replaced left nav light bulb PN 11-04367. Installed Circuit breaker switch for heated windshield PN 7270-1-25. Replaced pilot side windshield with heated unit PN 41543-000 UI (494-666) SN 97077H2444. Sealed windshield with tape PN 380-027 and PRC PR1425B2-602 I/A/W Piper part catalog 753-703 and installed I/A/W Piper service manual 753-704. Performed operational checks, all OK.
Charles R. Ciambra A&P 4134494

N7069D 07/20/2019 Maint. Hobbs: 488.1 ATT: 9019.6
Aircraft washed, controls checked and lubed. Serviced power pack, grease gear and tested brakes. Performed gear swings I/A/W Piper service manual. Serviced struts, check ELT I/A/W 91-207 (d). Service aircraft battery, cleaned fuel strainers. Electric fuel pumps tested both sides. Lubricated turbo waste gates. Inspection performed in accordance with Piper PA 31 inspection report. Complied with Ads 2017-10-20, 2013-10-04 C, 2009-13-06 R1, 2003-24-07, 98-08-18, 96-10-15, 82-27-13 R2. See permeate records for full AD list. I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.
Ronald L. Emond A&P 3129006

N7069D 07/20/2019 Maint. Hobbs: 488.1 ATT: 9019.6
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
Michael J. Ricard A&P 2042419IA

Michael J Ricard

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TOTAL	TACH OR	DESCRIPTION OF WORK PERFORMED— CERTIFICATE NO. OF PERSON PERFORMING WORK

N7069D
11/18/2019 Hobbs 542.3 P/N 470884-9004 S/N GL0222 installed this date and adjusted to 40" manifold pressure static all operations working satisfactory.
Ronald L Emond A&P 3129006

N7069D
11/19/2019 Hobbs 547.6 Pilot reported from Saginaw Michigan oil pouring out oil sump drain (intake) and fuel servo drain mechanic verified followed up with our instructions to swap the Density Controller from the left engine to the right engine to verify the Density Controller we just installed was causing the issue ordered another one had it sent direct to them in Saginaw and installed the oil issue was confirmed gone. Their entry follows.
Ronald L Emond A&P 3129006

W.O. 14651	DATE: 11-27-19	REG: N7069D	HOBBS: 548.6	ENG S/N 31-7812081

REMOVED & REPLACED RIGHT ENGINE DENSITY CONTROLLER ***P/N 470884-9004 S/N GL0222*** WITH OVERHAULED UNIT ***P/N 470884-9004 S/N LBR0124***, (CUSTOMER SUPPLIED) DRAINED OIL & INSTALLED NEW CH48110 FILTER. SERVICED ENGINE WITH 11 QTS OF AEROSHELL 15W50. PERFORMED ENGINE GROUND RUNS, GROUND RUNS WERE GOOD, NO LEAKS WERE NOTED.

Brian McLaren A&P 2799867
AVFLIGHT SAGINAW CORP.

4/23/2020		577.2	ELT BATTERY REPLACED NEXT DUE 7/22. TESTED 4/24
			91-207 (d) OPS CHECK, OK
			4134494

N7069D
5/29/2020 Maintenance Hobbs 592.5 0 TSMOH TTIS 7256.0 remove engine ser #L-2463-61A from left position install O/H unit from Aerotec Engines Unlimited ser# L-6723-61A W O 12203. Install the following with engine at time of install. Alt Idler Pulley bearing, Curtis oil quick drain, molded breather hoses (2) EGT probe, 10 new cowling studs, fuel valve drain, new throttle cable, new engine steel mount bolts and lock nuts , O/H vacuum pump (Tempast). Run up engine operation good. Set up Pilot for break in OK
Ronald L Emond A&P 3129006

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INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 8/31/2020; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 1606.30; Total Time:
Removed the right engine cowlings and checked engine control stops with satisfactory results. Pressurized the exhaust and induction systems for leakage. Found the exhaust leaking at turbo clamp and the top wastegate clamp. Repaired the exhaust leaks. Performed a compression test of the cylinders with satisfactory results. Removed the fuel nozzles and referance lines. Cleaned and reinstalled. Inspected the turbo discharge vanes for damaged blades or binding with none noted. Inspected all lines and hoses for blockage or proper routing. Changed out desity controller, differential control and fuel servo's with the left engine. Performed ground runs and test flights after each component change with the same results of loss of manifold pressure at 2500 feet. Changed out the wastegate with the left engine. Performed test flight with problem now moving to left engine. Swapped back all components from right engine to left engine. Installed an overhauled wastegate p/n LW12778, s/n LLR0143 to the right engine. Performed a run up and test flight with satisfactory results.

Signature: Glenn Ducharme
Date: 08/31/2020, W/O: 17392
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063

Date: 11/18/2020; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 633.20; Total Time:
After installing an overhauled wastegate to the right engine a small improvement in manifold pressure was acheived. (see W/O 17392) Performed engine ground runs to check the fuel pressures with an external gauge at the inlet of fuel manifolds on the right and left engine at different power settings. Found pressure a little lower on the right engine. Checked the fuel pressures at the fuel pumps with no significant differences noted. Swapped the left and right engine upper deck rails with nozzle assembles. A test flight was performed with no improvement made to manifold pressure. The rails and nozzles were returned to original engines. Upon trying to swap the left and right turbo chargers it was discovered that the right engine transition housing was cracked. Removed and replaced the right transition housing p/n LW12127, s/n 1290 with new hardware. Swaped left and right engine turbo chargers and performed ground run with no leaks noted. Aircraft was test flow to 13,500 ft with satifactory manifold pressure readings.

Signature: Glenn Ducharme
Date: 11/18/2020, W/O: 17492
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

N7069D 08/11/2020 Maint. Hobbs: 618.9 ATT: 9150.4Aircraft washed, controls checked and lubed. Serviced power pack, grease gear and tested brakes. Performed gear swings I/A/W Piper service manual. Serviced struts, check ELT I/A/W 91-207 (d). Service aircraft battery, cleaned fuel strainers. Electric fuel pumps tested both sides. Lubricated turbo waste gates. Inspection performed in accordance with Piper PA 31 inspection report. Complied with Ads 2017-10-20, 2013-10-04 C, 2009-13-06 R1, 2003-24-07, 98-08-18, 96-10-15, 82-27-13 R2. See permeate records for full AD list. I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. Ronald L Emond A&P 3129006

Ronald L Emond

ION OF WORK PERFORMED—
ICATE NO. OF PERSON PERFORMING WORK

N7069D Right Engine 8/11/2020 Maint. Hobbs: 618.9 ~~TSMO: 915.7 TTIS: 3230.6~~ TTIP 9150.4

I certify this ~~engine~~ has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J. Ricard A&P 2042419IA

Michael J. Ricard

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 8/31/2020; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 1606.30; Total Time:
Removed the right engine cowlings and checked engine control stops with satisfactory results. Pressurized the exhaust and induction systems for leakage. Found the exhaust leaking at turbo clamp and the top wastegate clamp. Repaired the exhaust leaks. Performed a compression test of the cylinders with satisfactory results. Removed the fuel nozzles and referance lines. Cleaned and reinstalled. Inspected the turbo discharge vanes for damaged blades or binding with none noted. Inspected all lines and hoses for blockage or proper routing. Changed out desity controller, differential control and fuel servo's with the left engine. Performed ground runs and test flights after each component change with the same results of loss of manifold pressure at 2500 feet. Changed out the wastegate with the left engine. Performed test flight with problem now moving to left engine. Swapped back all components from right engine to left engine. Installed an overhauled wastegate p/n LW12778, s/n LLR0143 to the right engine. Performed a run up and test flight with satisfactory results.

Signature: Glenn Ducharme
Date: 08/31/2020, W/O: 17392
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

INFINITY AVIATION
117 Perimeter Road / Nashua, NH 03063

Date: 11/18/2020; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 633.20; Total Time:
After installing an overhauled wastegate to the right engine a small improvement in manifold pressure was acheived. (see W/O 17392) Performed engine ground runs to check the fuel pressures with an external gauge at the inlet of fuel manifolds on the right and left engine at different power settings. Found pressure a little lower on the right engine. Checked the fuel pressures at the fuel pumps with no significant differences noted. Swapped the left and right engine upper deck rails with nozzle assembles. A test flight was performed with no improvement made to manifold pressure. The rails and nozzles were returned to original engines. Upon trying to swap the left and right turbo chargers it was discovered that the right engine transition housing was cracked. Removed and replaced the right transition housing p/n LW12127, s/n 1290 with new hardware. Swaped left and right engine turbo chargers and performed ground run with no leaks noted. Aircraft was test flow to 13,500 ft with satifactory manifold pressure readings.

Signature: Glenn Ducharme
Date: 11/18/2020, W/O: 17492
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

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TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED— IFICATE NO. OF PERSON PERFORMING WORK

N7069D 03/11/2021 Maint Hobbs 650.1 Trouble shoot hot props not functioning found bad ground under floor in baggage compartment and replaced timer box checked wires at boots and replaced 2 amp ends tested props all cycles working good. Check landing and taxi lights not functioning traced wiring found bad ground solenoid P/N 70-117224 replaced and tested good. 335 bulbs (2) for flap indicator and trim lights.
Ronald L. Emond A&P 3129006

N7069D 08/17/2021 Maint. Hobbs: 700.3 ATT: 9231.4
Aircraft washed, controls checked and lubed. Serviced power pack, grease gear and tested brakes. Performed gear swings I/A/W Piper service manual. Serviced struts, check ELT I/A/W 91-207 (d). Service aircraft battery, cleaned fuel strainers. Electric fuel pumps tested both sides. Lubricated turbo waste gates. Repaired both wing tips ,painted and replaced lenses. Replaced right inner fuel sending unit repaired ground on inner / outer sending unit ground Inspection performed in accordance with Piper PA 31 inspection report. Complied with Ads 2017-10-20, 2013-10-04 C, 2009-13-06 R1, 2003-24-07, 98-08-18, 96-10-15, 82-27-13 R2. See permeate records for full AD list. I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.
Ronald L. Emond A&P 3129006

N7069D 08/17/2021 Maint. Hobbs: 700.3 ATT: 9231.4
I certify this Aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Phillip Sunin A&P 3973 IA/IA

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INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063

Date: 11/24/2021; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 721.40; Total Time:
*Installed a STC'd Aspen PFD1000 system consisting of a PFD display p/n 910-00001-004, CM p/n 920-00004-014, RSM p/n 910-00003-001 and ACU p/n 910-00004-001& EA100 P/N: 910-00013-001 using mil spec wire. Interfaced the Aspen PFD with the compatible equipment installed: Garmin GTN 750,Bendix/King KX155, and autopilot. Work was performed in accordance with the Aspen PFD1000 Installation Manual p/n 900-00003-001 rev CI dated 05/2021. System components were wired to the appropriate bus to circuit protective devices. The HSI system was removed to facilitate the installation. Modified the pilot's instrument panel per STC instruction to fit the new display. Reference data from the Aspen PFD Installation manual and under STC SA10822SC. Supplied the owner a copy of the Aspen ICA document number 900-00012-001 rev AE. Updated the Weight and balance and POH supplment. Filled out and submitted an FAA for 337.
*Removed KC295 FLT computer, KS 290 mode controller, KS271A roll servo, KS272 trim Servo & KS270 pitch servo. received the KC295 FLT computer overhaulled, KS 290 mode controller with no defects noted, KS271A roll servo overhauled, the KS272 trim servo S/N:1558 and KS270 pitch servo S/N:1626 were both beyond repairs. Purchased overhauled KS272 S/N: 6059 & KS270 S/N: 8320. Re-installed all units IAW AMM & KFC200 autopilot IM. Ops check good.
*Fabricated a new floating panel using 2024 T3 aluminum with the same thickness as the original using the original floating panel as a template. Removed and replaced all floating panel vibration supports. Cleaned, etched, alodined, primed and painted the panel using polene paint.Work performed in reference to the aircaft Maintenance Manual, AC43.13-1B chapter 11 and AC43.13-2B chapter 2.

Signature: Rafael Tomei
Date: 11/24/2021, W/O: A17813
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

I certify that
required by I
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Encode
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UNITED 5934P
W/O A
Date 11
Infinity Avia

Altimeter/Encoder Calibration Sheet
Infinity Aviation Services LLC
FAA Certified Repair Station # I6FR992Y
Form #10

Date: 11/24/2021
A/C Tail # N7069D
Work Order # A17813

Initial Indications At 29.92 In hg

			Model Number	Serial Number
ASPEN	Altimeter:	95 Feet	Altimeter ASPEN EPDL1000	3041Y
	Calibrator:	94 Feet	Transponder GARMIN GTX 345	3EG02188B
			Encoder ILLEGIBLE	INSTALLED

Barometric Scale Error (reference pressure @ 29.92 in hg to zero)

In hg scale	Feet Calibration	Feet Reading	Adj to 29.92 in hg	Feet Error	± Feet Tolerance
28.10	-1727	-1735		8	±25
28.50	-1340	-1345		5	±25
29.00	-863	-860		3	±25
29.50	-392	-400		8	±25
29.92	0	0		0	±25
30.50	531	530		1	±25
30.90	893	890		3	±25
30.99	974	965		9	±25

ASPEN
H 721.4

7/31/2022 INSTALL NEW ELT PART #ELT1000 THIS DATE REPLACE BATT SEPT 2024 RONALD L. EMERD A&P 3129026.

09/04/2022 Hobbs: 0778.2 Removed old OEM RH main fuel bladder. Cleaned, prepped & taped fuel bay. Installed new FFCM5712 bladder vsing FFCM100_03_00000 reference guide & aircrafts maint manual 753704. Replaced all gaskets & confirmed accurate fuel quantity readings. Fueled bladder. No leaks. All operational Check O.K.

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A&P 3933372

Page No. _____

DATE	TOTAL TIME IN	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

N7069D 09/05/2022 Maint. Hobbs: 778.3 ATT: 9309.4
Aircraft washed, controls checked and lubed. Serviced power pack, grease gear and tested brakes. Performed gear swings I/A/W Piper service manual. Serviced struts, check ELT I/A/W 91-207 (d). Service aircraft battery, cleaned fuel strainers. Electric fuel pumps tested both sides. Lubricated turbo waste gates. Installed new vacc regulator filters Install r/l air filter elements Check all cables and pulleys Inspection performed in accordance with Piper PA 31 inspection report. Complied with Ads 2017-10-20, 2013-10-04 C, 2009-13-06 R1, 2003-24-07, 98-08-18, 96-10-15, 82-27-13 R2. See permeate records for full AD list. I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.
Ronald L. Emond A&P 3129006

Ronald L Emond

N7069D 09/05/2022 Maint. Hobbs: 778 ATT: 9309.4
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
Edward J. Mullin A&P 4142009 IA

Edward J Mullin 9/5/2022

INFINITY AVIATION
117 Perimeter Road /Nashua, NH 03063

Date: 9/14/2022; Aircraft: N7069D; Type: PA31-310; S/N: 31-7812081; Hobbs: 770.50; Total Time:
*Troubleshot sys and found the EA100 to be INOP. R&R the EA 100 IAW the Apen IM. opscheck good.
*Troubleshot system and found the switch to be bad. R&R trim switch with a new one P/N:200-010902-0000. All work was performed IAW AMM & the KFC200 IM. ops check good.

Signature: Rafael Tomei
Date: 09/14/2022, W/O: A17997
Infinity Aviation Se as LLC
FAA Certified Repair Station
#I6FR992Y

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

N7069D 12/20/2022 Hobbs 810.0 Repairs of Aircraft: test exhaust temp probe (failed) install new probe and it failed found shorted wire to the probe behind the firewall repaired and installed second probe ops tested good.

Ronald L Emond A&P 3129006

Ronald L Emond

N7069D

1/09/2023 Hobbs 810 Battery found dead attempt to re-charge (Batt junk) took new battery just installed in N62840 ser # G03154274 remove and install into Navajo N 7069D when new battery arrives put it back into N62840

Ronald L Emond A&P 3129006

Ronald L Emond

N7069D 4/27/2023 Hobbs 830.1 remove cracked tail pipe P/N 40310-08AWL install new pipe same run up engine check for leaks ops good Ronald L Emond A&P 3129006

Ronald L Emond

N7069D Maintenance Hobbs 853.0 ATT 9384.2

7/30/2023 removed left engine Turbo charger and send to Maine Turbo Systems CA. w/o #19681 inv # 49681 for complete O/H re install on left engine P/N 406610-9020 S/N ICR0332 Install new Turbo heat shields P/N 4-652568-7 and P/N 4-652568-5 from Approved Aeronautics, LLC Corona, CA 92883.

A+P 5419502

N7069D Maint hobbs 853.0 ATT 9384.2
7/30/2023 Install O/H D/G SER # 68244D P/N 1U262-001-10
Model # 4000B-9 Co-Pilot side
Install new EGT probe left engine P/N 10-00129 86240 Alcor
type K Run up operational check Good

Ronald L Emond A&P 3129006

Ronald L Emond

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page

10/4/2023 aircraft washed, controls checked and lubed. Service power-pack, grease gear and check brakes. Performed gear swings I/A/W Piper service manual. Service struts, Check ELT I/A/W 91-207 (d) battery next due Sept 2024. Service aircraft battery and charge, cleaned fuel strainers. Electric fuel pump tested both right and left. Lubricated turbo waste gates. Install new vacc regulator filters. Install R/L air filters. Check all cables and pulleys (rotate pulley ¼ turn. Inspection performed I/A/W Piper PA 31 inspection report. Complied with Ads 2017-10-20, and 2016-05-01 by installing kit # 764-028 this ends this recurring ad 2013-10-04 C, 2009-13-06 R1, Installed kit number 763-922 due in ten years Oct 2033 96-10-15, 82-27-13 R2. See Permanent records for full AD list. I certify this Aircraft has been inspected I/A/W a 100 hr inspection and was determined to be in airworthy condition.

Ronald L Emond A&P 3129006

9/4/2023 Maint Hobbs 859.2
Replace R/Eng. Tail Pipe
P/N 94031009 Lower
Ronald L. Emond A&P 3129006

N7069D Maint Hobbs 859.2 ATT 9390.4 I certify this aircraft has been inspected I/A/W an annual inspection and was determined to be in airworthy Condition.

A&P 3419502 IA

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CERTIFICATE NO. OF PERSON PERFORMING WORK

age

12/14/2024 N7069D Maint Hobbs 920.7 ATT 9451.9
10/4/2023 aircraft washed, controls checked and
ubed. Service power-pack, grease gear and check
brakes. Replace all brake pucks RA66 -66 Performed
gear swings I/A/W Piper service manual. Service
struts, Check ELT I/A/W 91-207 (d) battery Replaced
this date next due Jan 2027 . Service aircraft battery
and charge, cleaned fuel strainers. Electric fuel pump
tested both right and left. Lubricated turbo waste
gates. Install new vacc regulator filters. Install R/L air
filters BA-7 . Install new nose strut housing with new
seal kit, Also install install STC nSA00499ATfrom Aero
Support nose gear link. Check all cables and pulleys
rotate pulley ¼ turn. Replace trim Cable Inspection
SGB 41169 replace bearing elevator Tab Hinge.
performed I/A/W Piper PA 31 inspection report.
Complied with Ads 2017-10-20, and 2016-05-01 by
installing kit # 764-028 this ends this recurring ad
2013-10-04 C, 2009-13-06 R1, Installed kit number
763-922 due in ten years Oct 2033 96-10-15, 82-27-
13 R2. See Permanent records for full AD list. I certify
this Aircraft has been inspected I/A/W a 100 hr
inspection and was determined to be in airworthy
condition.
Ronald L Emond A&P 3129006

Ronald L Emond

12/14/2024 N7069D I certify this Aircraft has been inspected
I/A/W an Annual Inspection and was determined to be in
airworthy condition

Ed Mullin A&P 4142009 IA

Edward J Mullin

N7069D 09/11/2025 T-0950 TT 9481.2 Remove
hydraulic Power pack and install a f5resh O/H unit P/N
WTC2135-1 Serial # WTC 2020 Fill system and test gear
by raising and lowering 10 times adjust gear lights
found all aspects working correctly.
Ed Mullin A&P 4142009 IA

Edward J Mullin 9/11/25

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N62840
02/19/2026 Hobbs 970.4 TT 9501.6 Aircraft washed, controls checked and lubed. Service power pack, grease gear test (ok) Check all brakes and test complete system. Service struts. Check ELT operation I/A/W 91-207 (d) Battery due 10/26. Service aircraft battery. Clean fuel strainers, replace gaskets and crush washers both sides. R/L electric fuel pumps tested OK. Replace Pilot and co Pilot vent window seals. Remove right propellor send to New England propeller for Over Haul Inspection done I/A/W PA 23 Piper inspection report. Compiled with AD 2017-10-20, 2016-05-01 installed kit #764-028 on12/14/2024 ends this AD, 2013-10-04 C, 2009-13-06R1 Installed kit #763-922 due in ten years Oct 2023, 2033-96-10-15,82-27-13R2 See permanent records for full AD list.. I certify this Aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.
Ronald L Emond A&P 3129006

→ Replaced AIR FILTERS, HYD FILTERS, ~~GARDOR FILTERS~~, HYD INST FILTER R&L
Ronald L Emond A&P 3129006

N7069D
02/19/2026 Hobb's 970.4 ACTT 9501.6 I certify this Aircraft has been inspected I/A/W an annual inspection and was determined to be in airworthy condition
Ed Mullin A&P 4142009 IA
Edward J Mullin 2/19/2026

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